

Figure 1

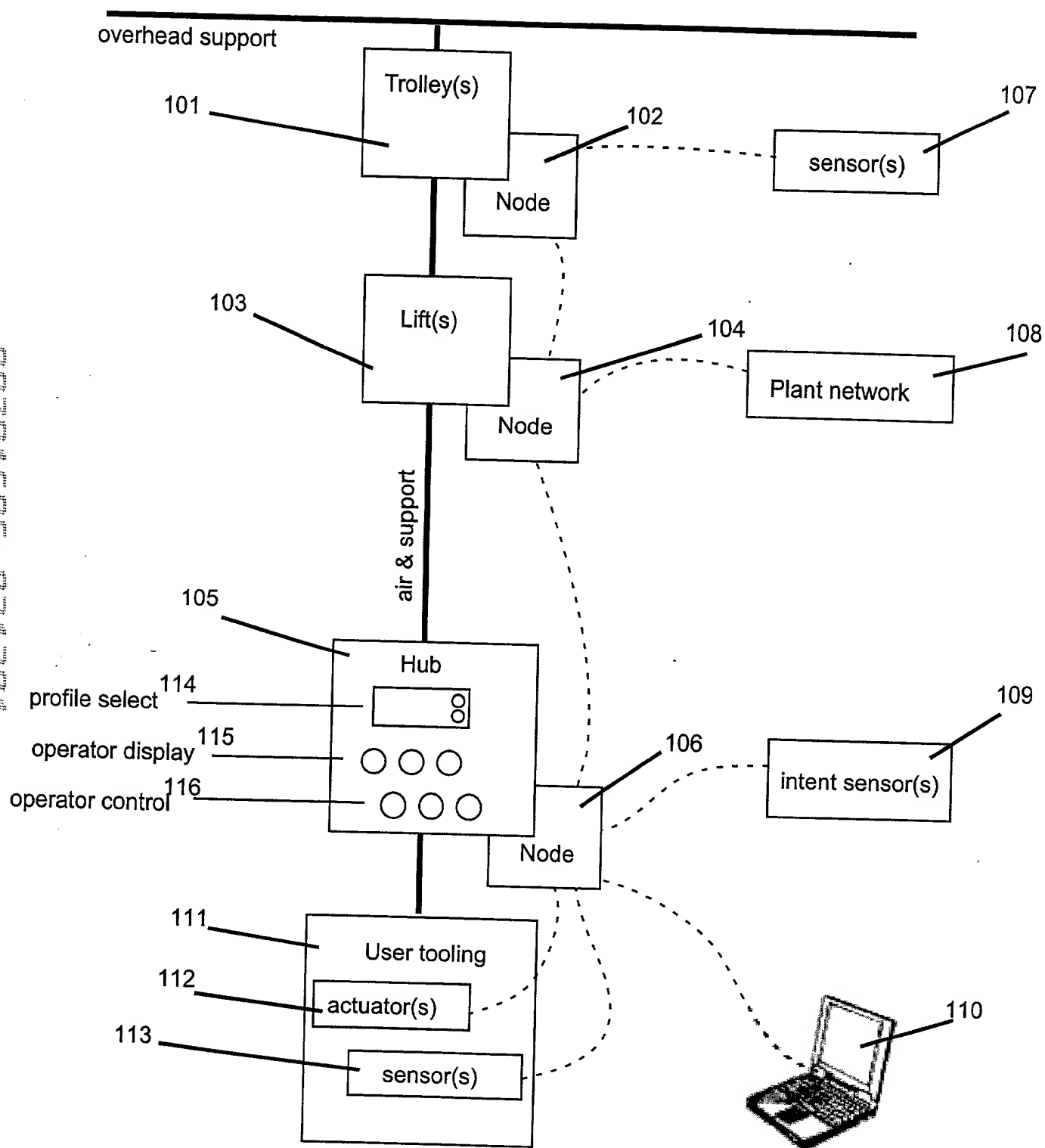


Figure 2

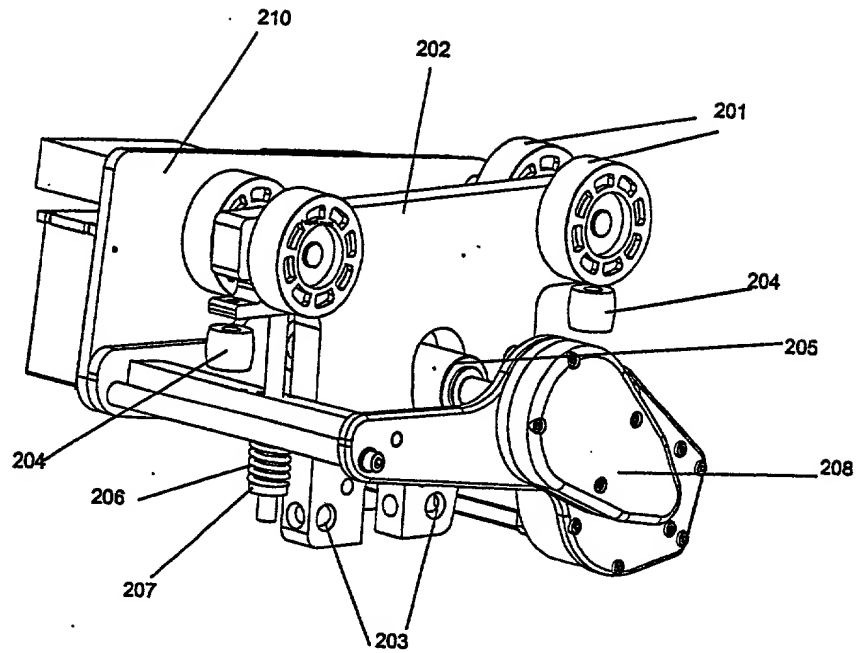


Figure 3

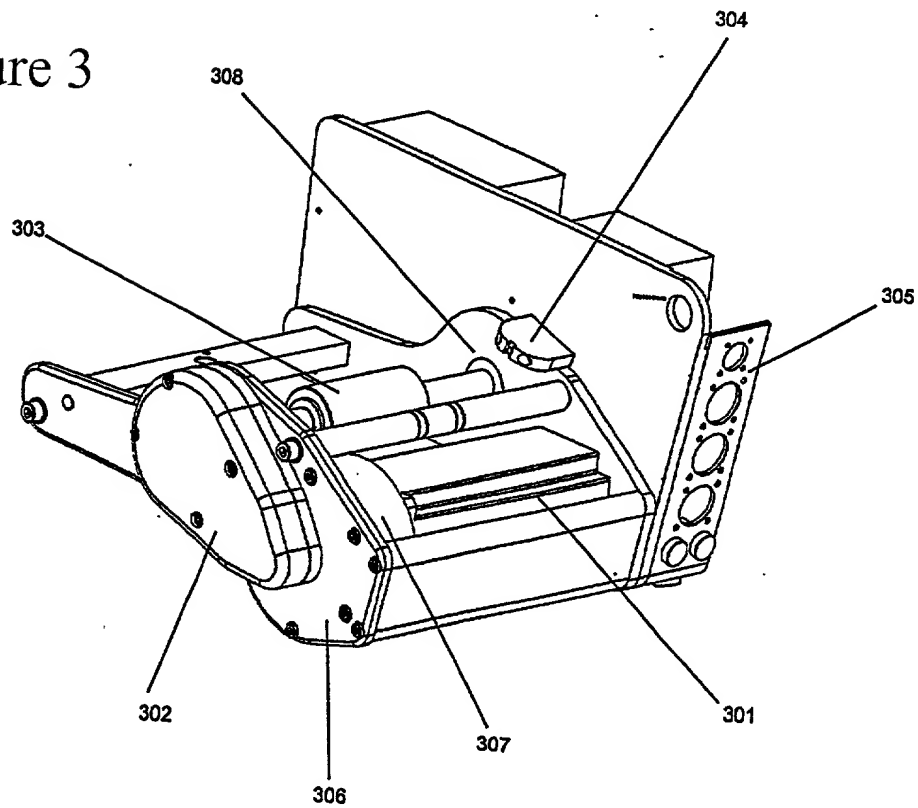


Figure 4

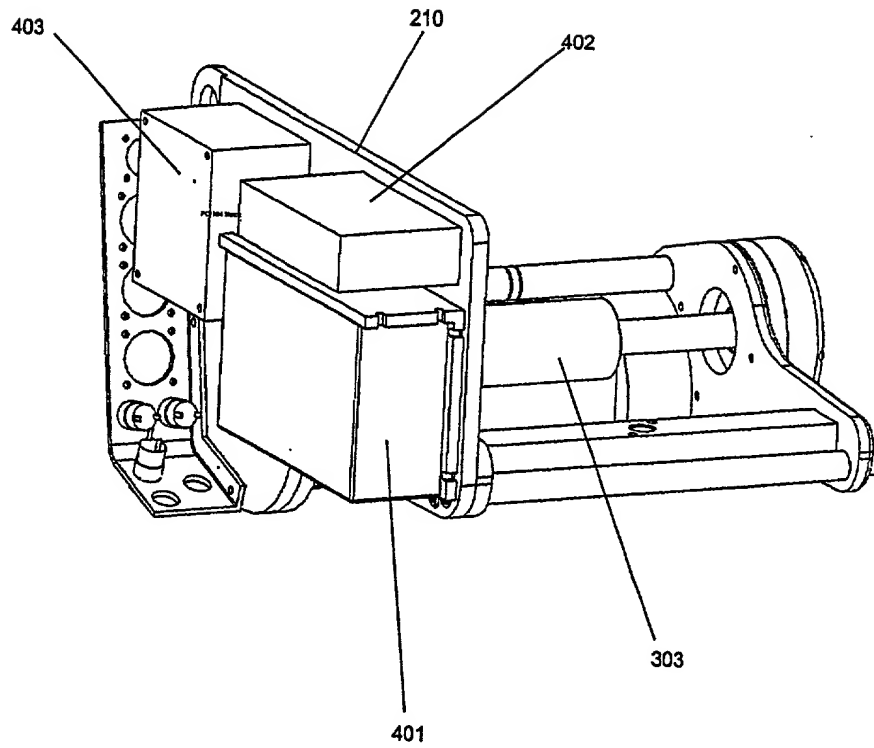


Figure 5

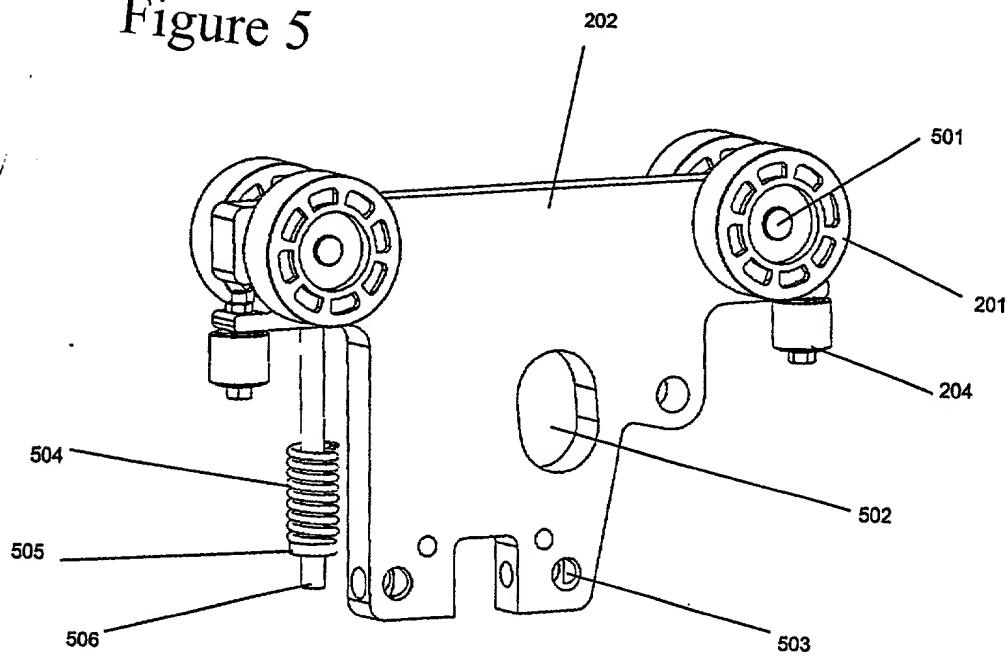


Figure 6

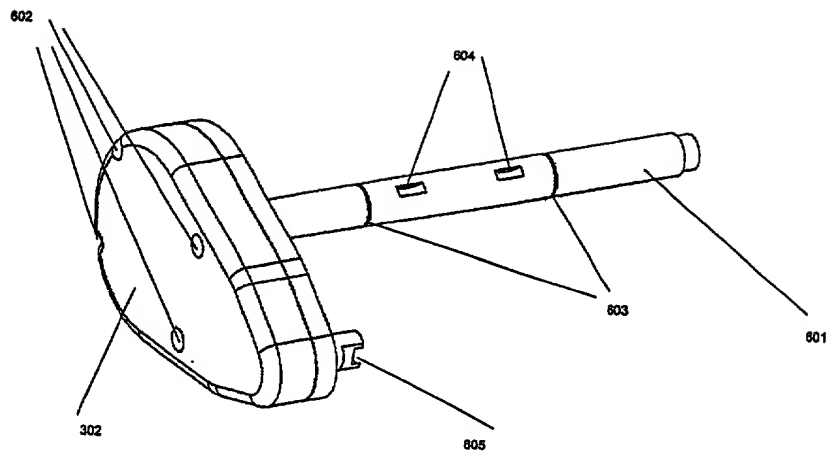


Figure 7

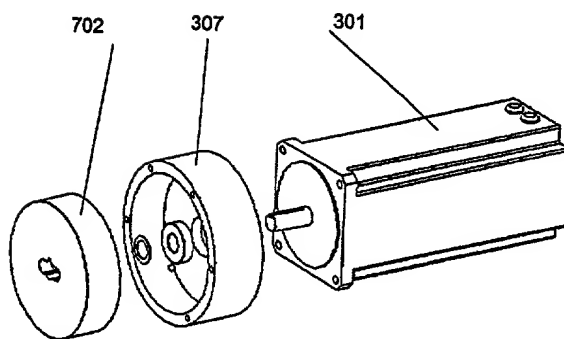


Figure 8

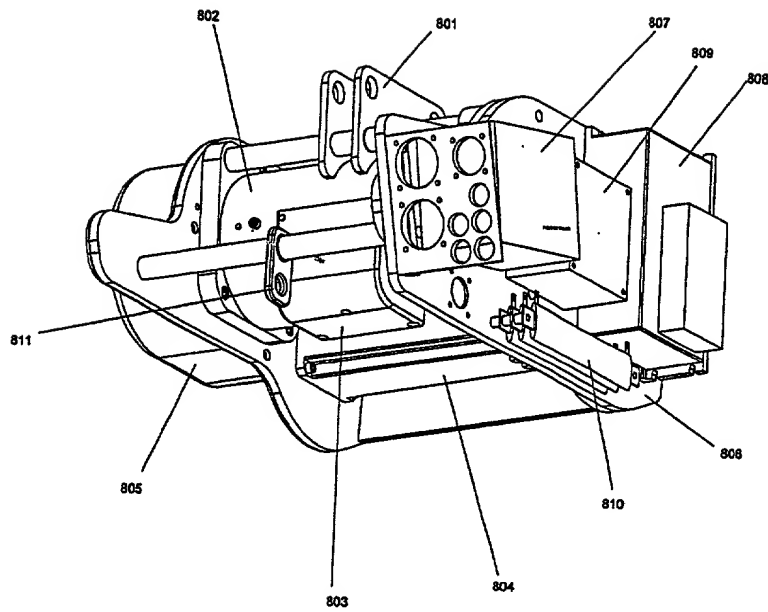


Figure 9

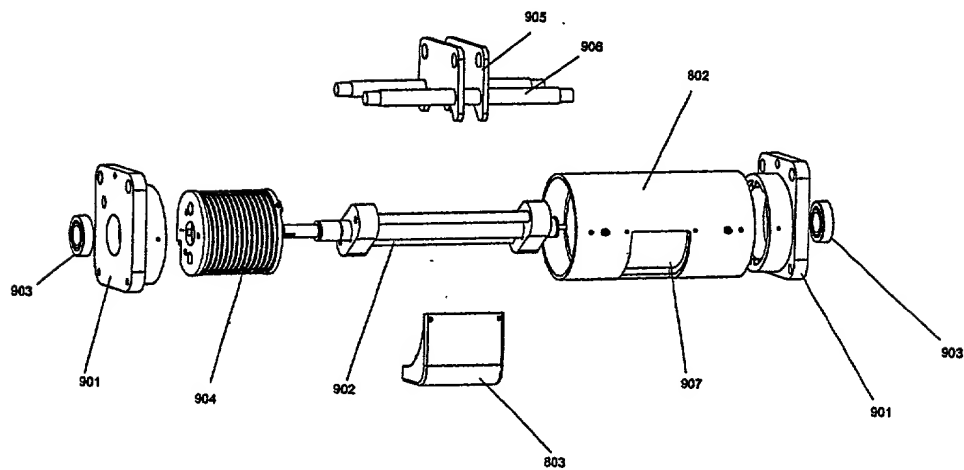


Figure 10

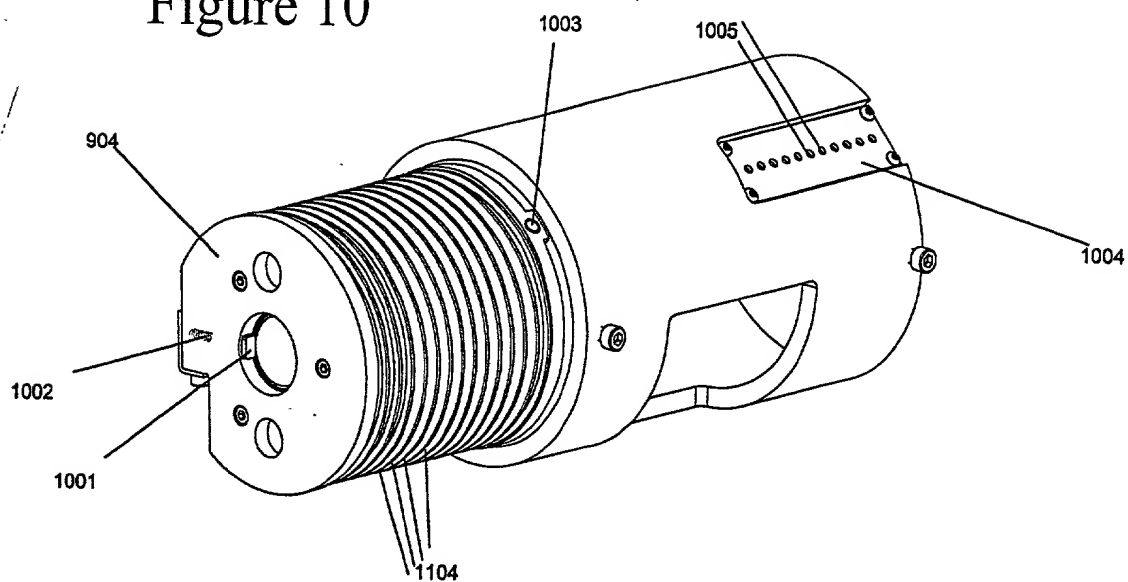


Figure 11

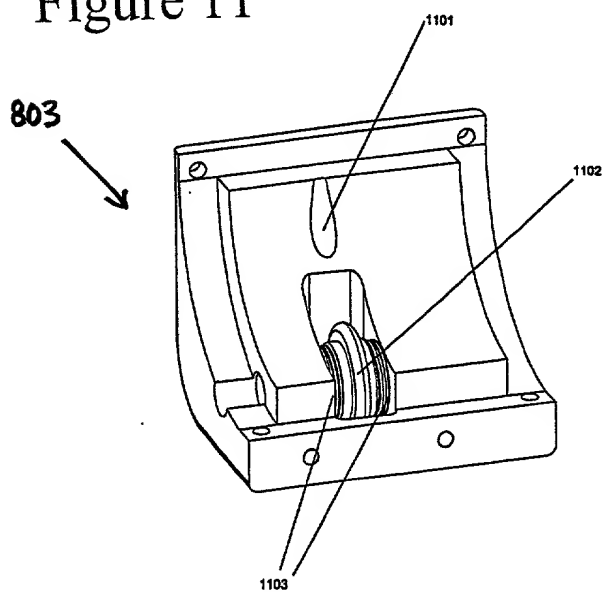


Figure 12

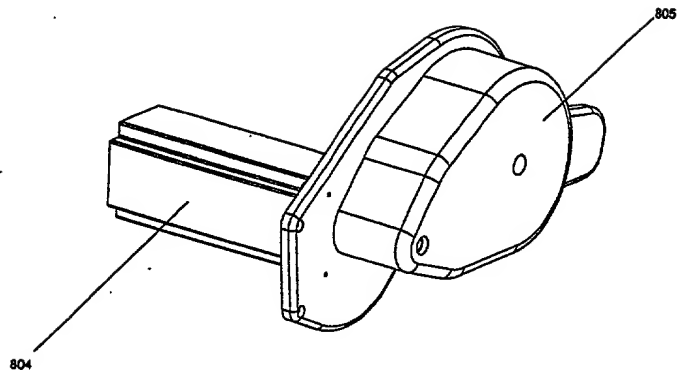


Figure 13

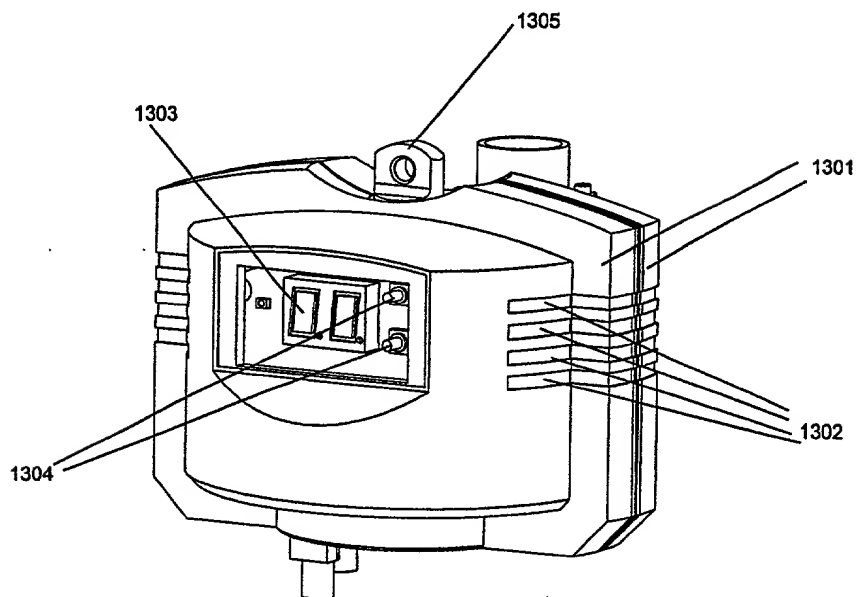


Figure 14

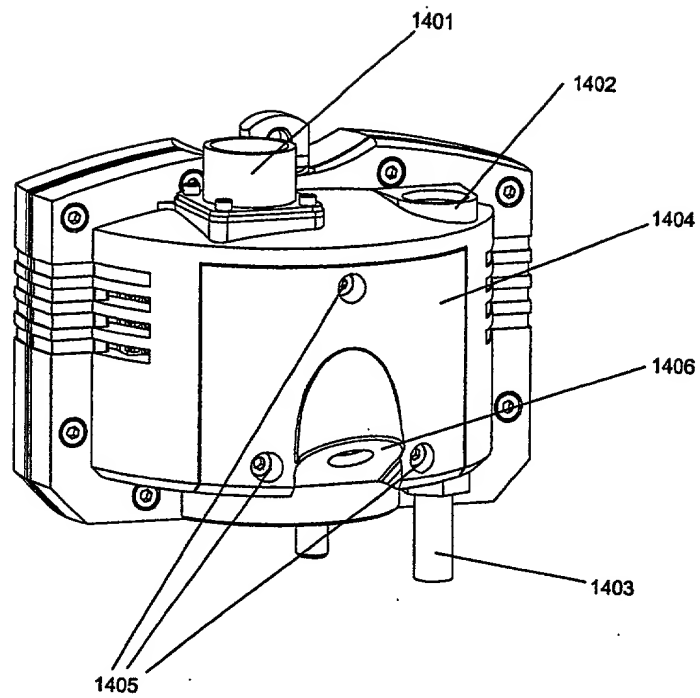


Figure 15

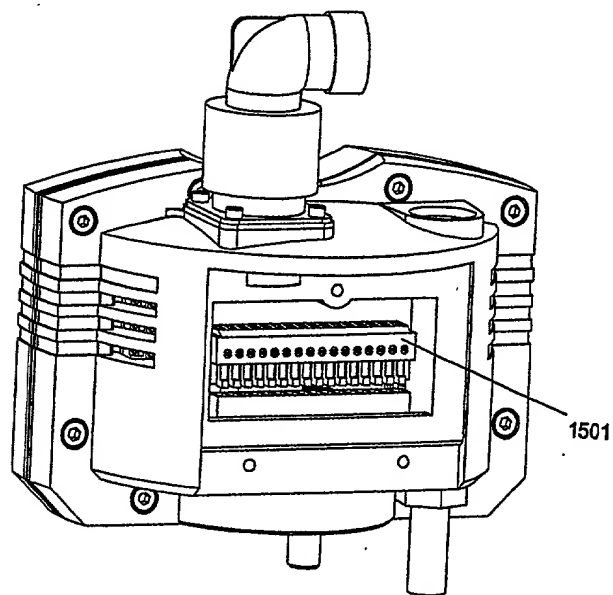


Figure 16

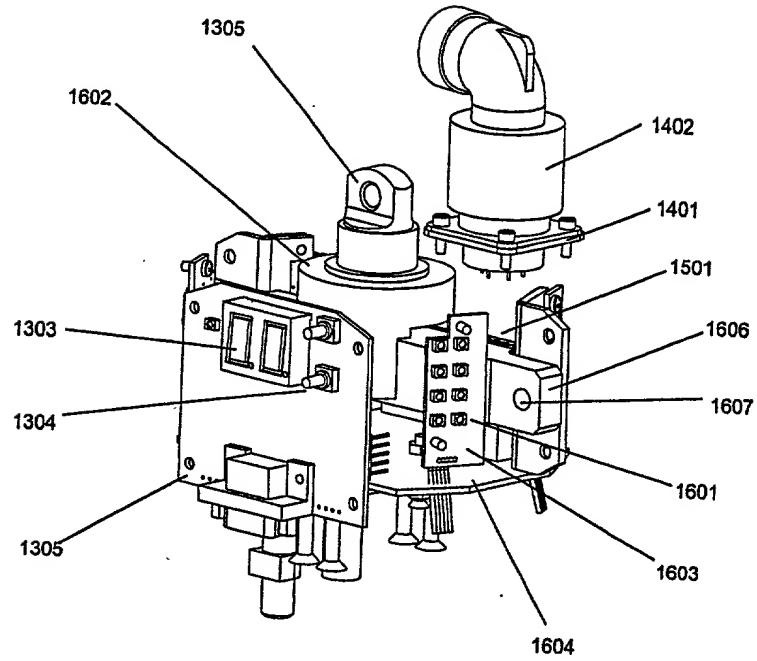


Figure 17

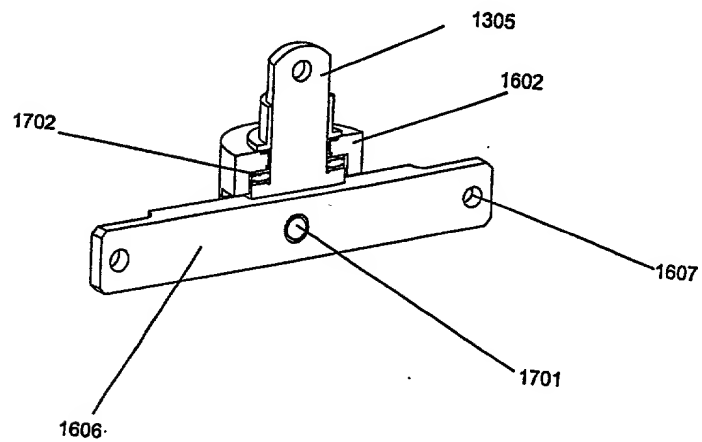


Figure 18

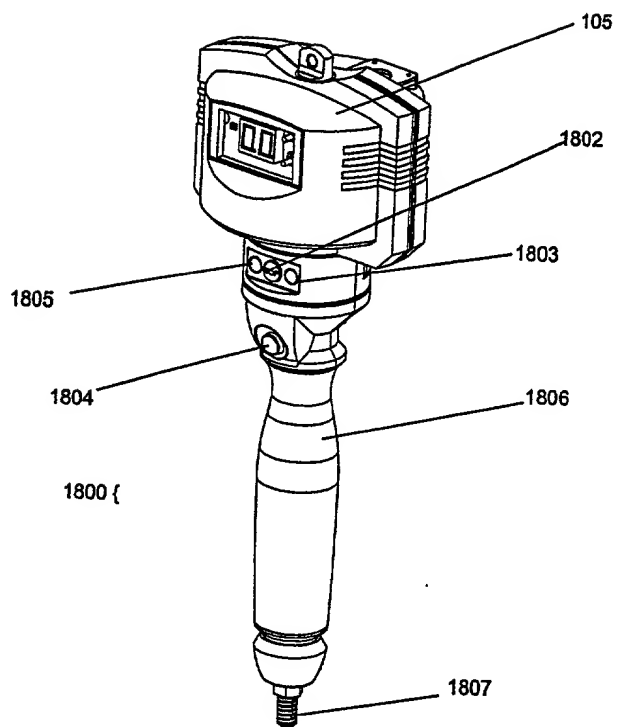


Figure 19

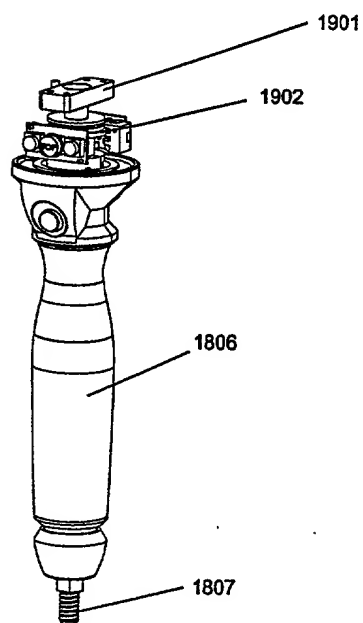


FIGURE 20a

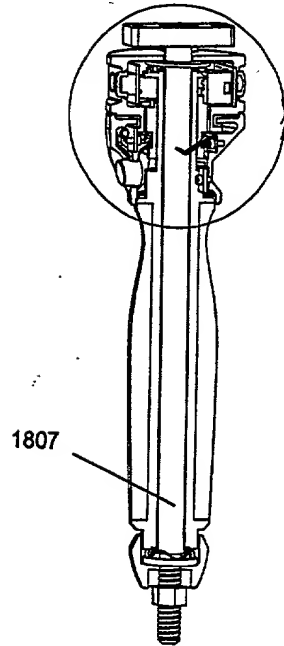


FIGURE 20b

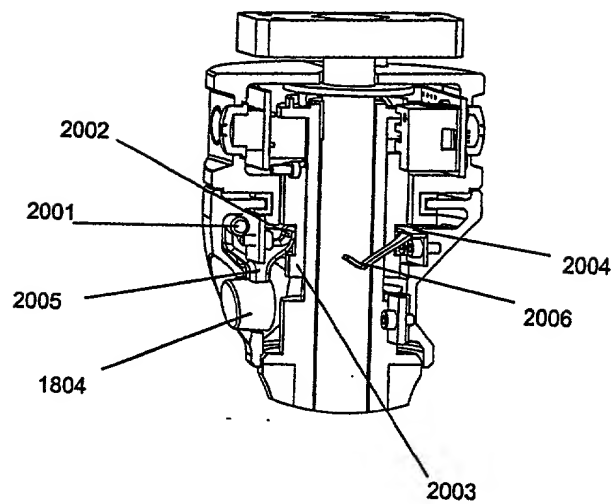


Figure 21

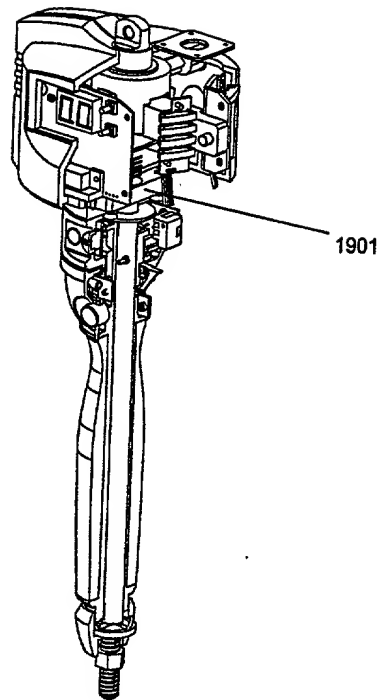


Figure 22

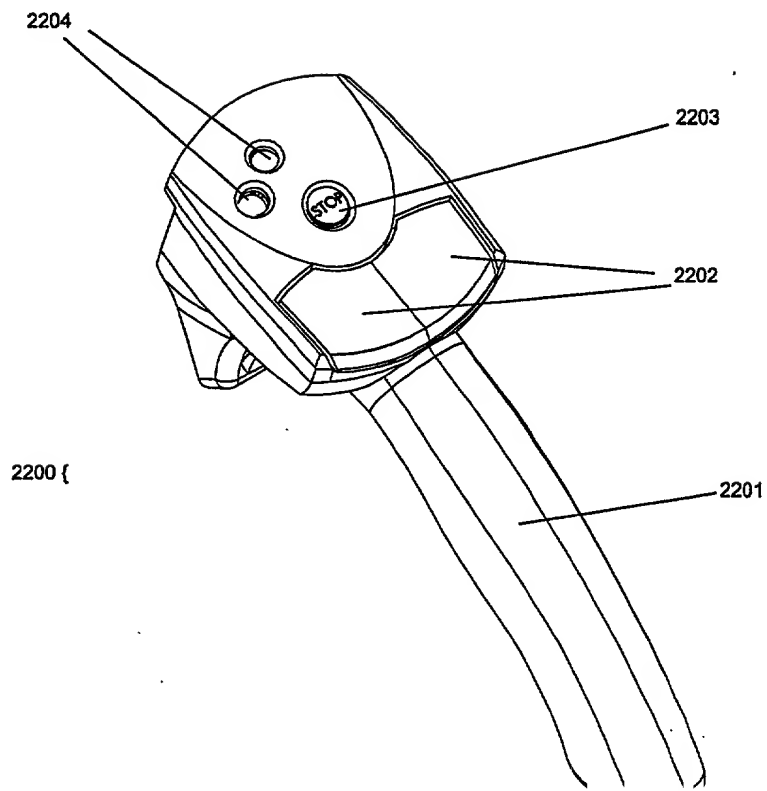


Figure 23

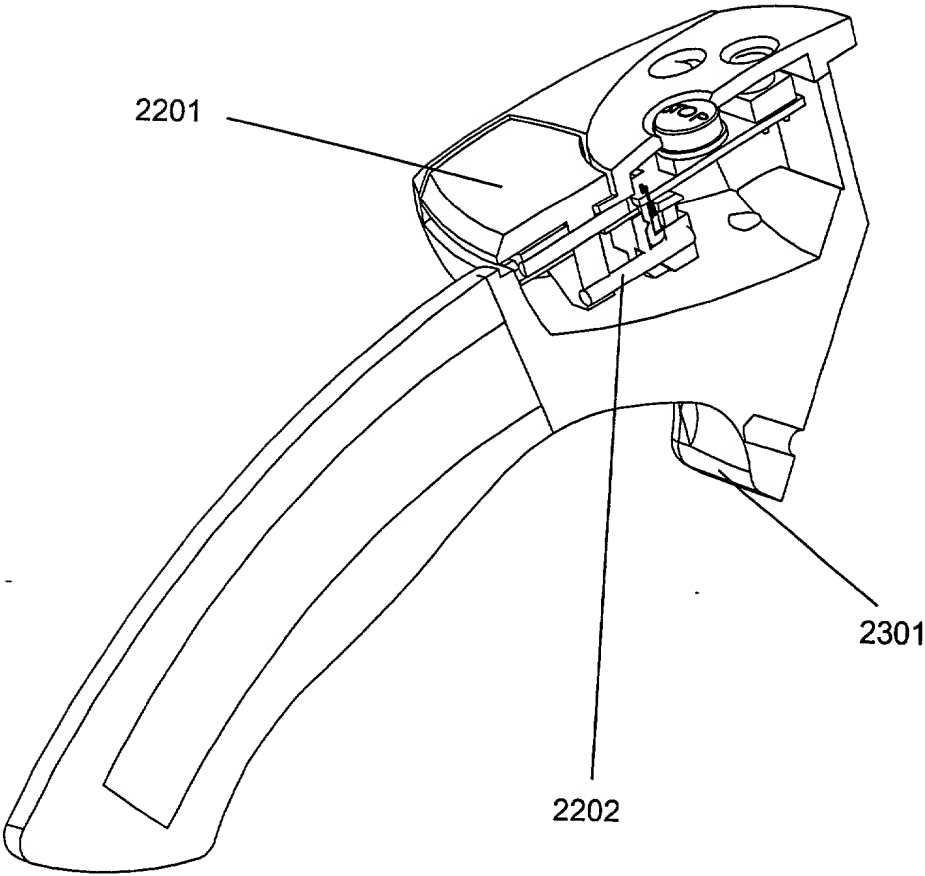


Figure 24

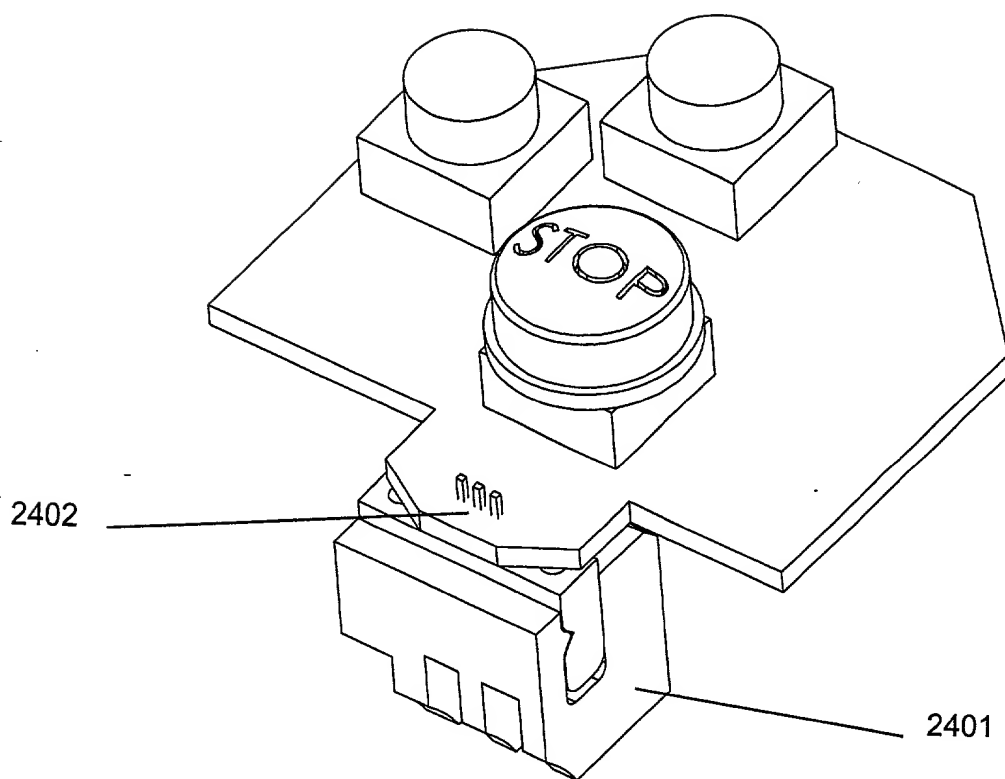


Figure 25

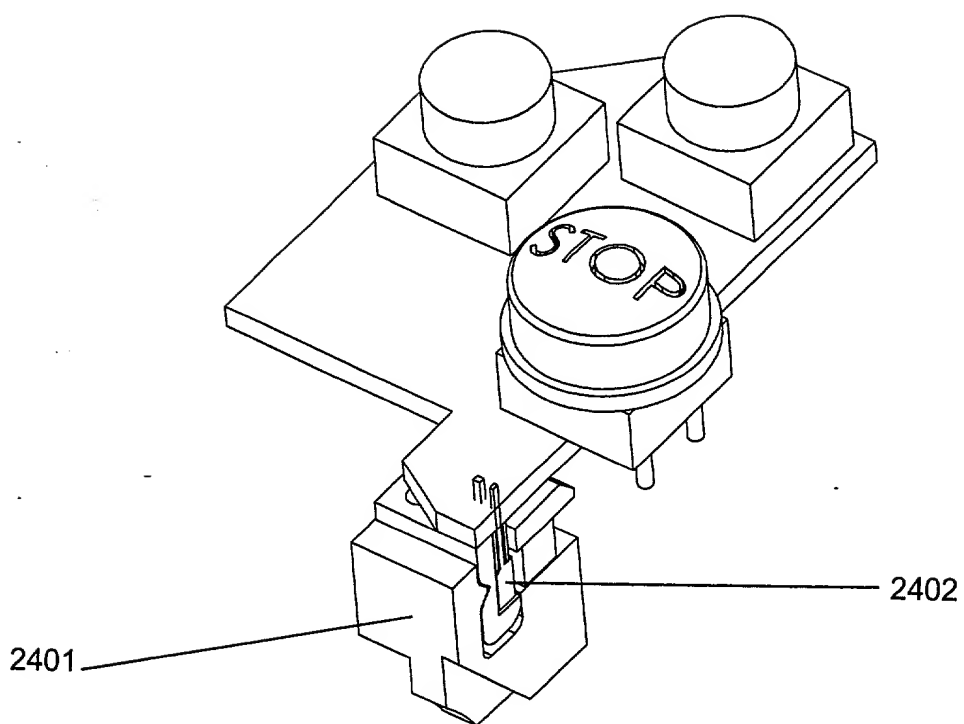


Figure 26

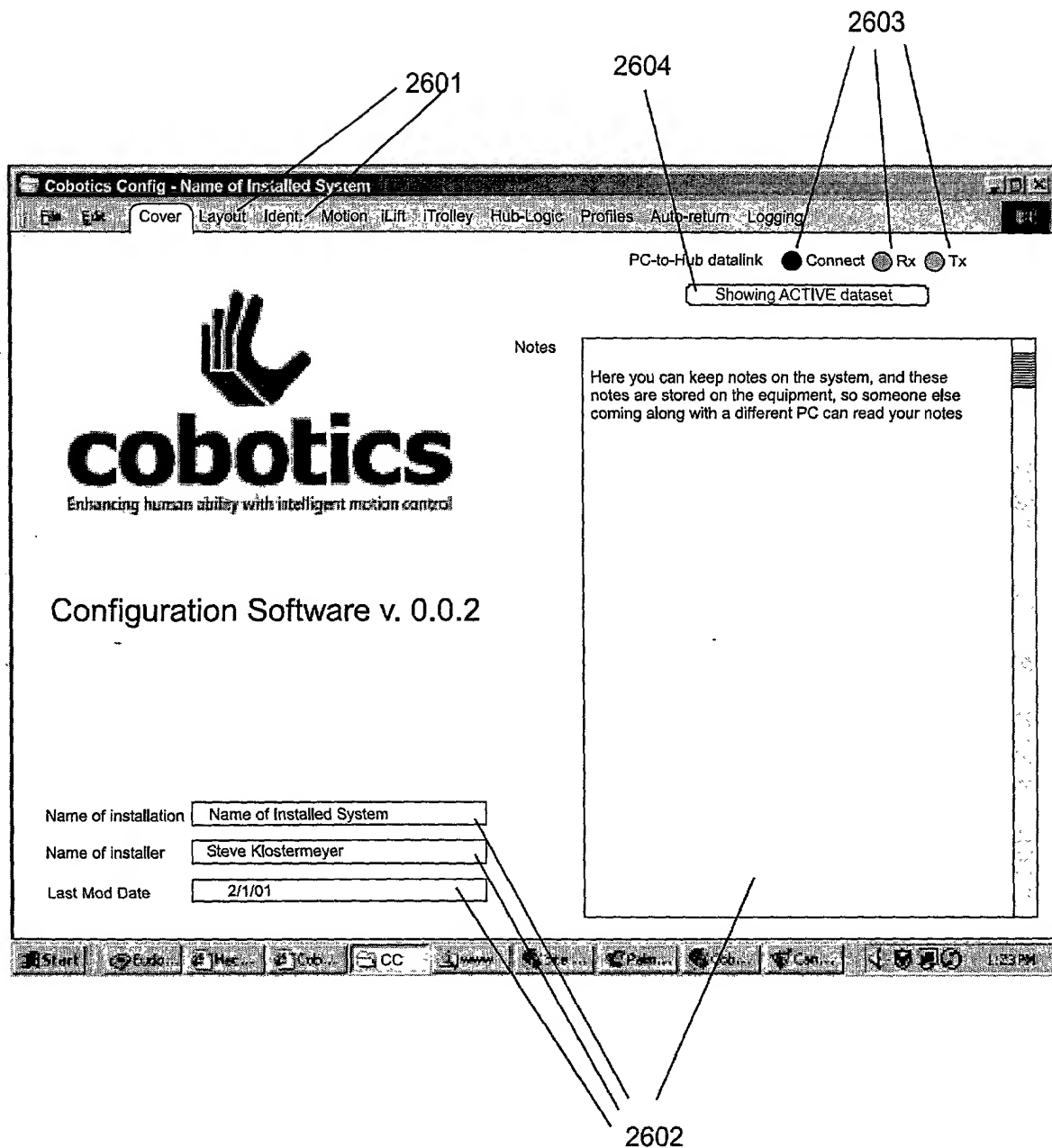


Figure 27

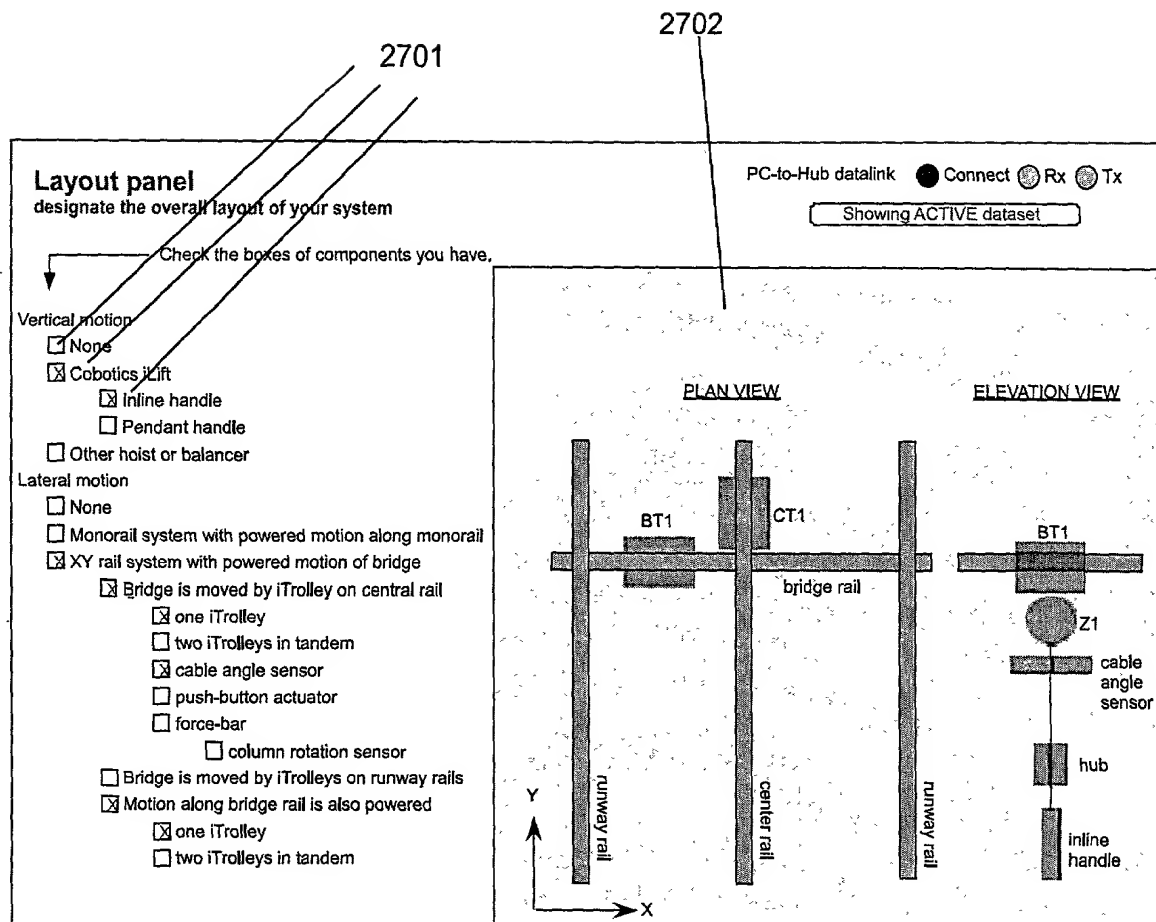


Figure 28

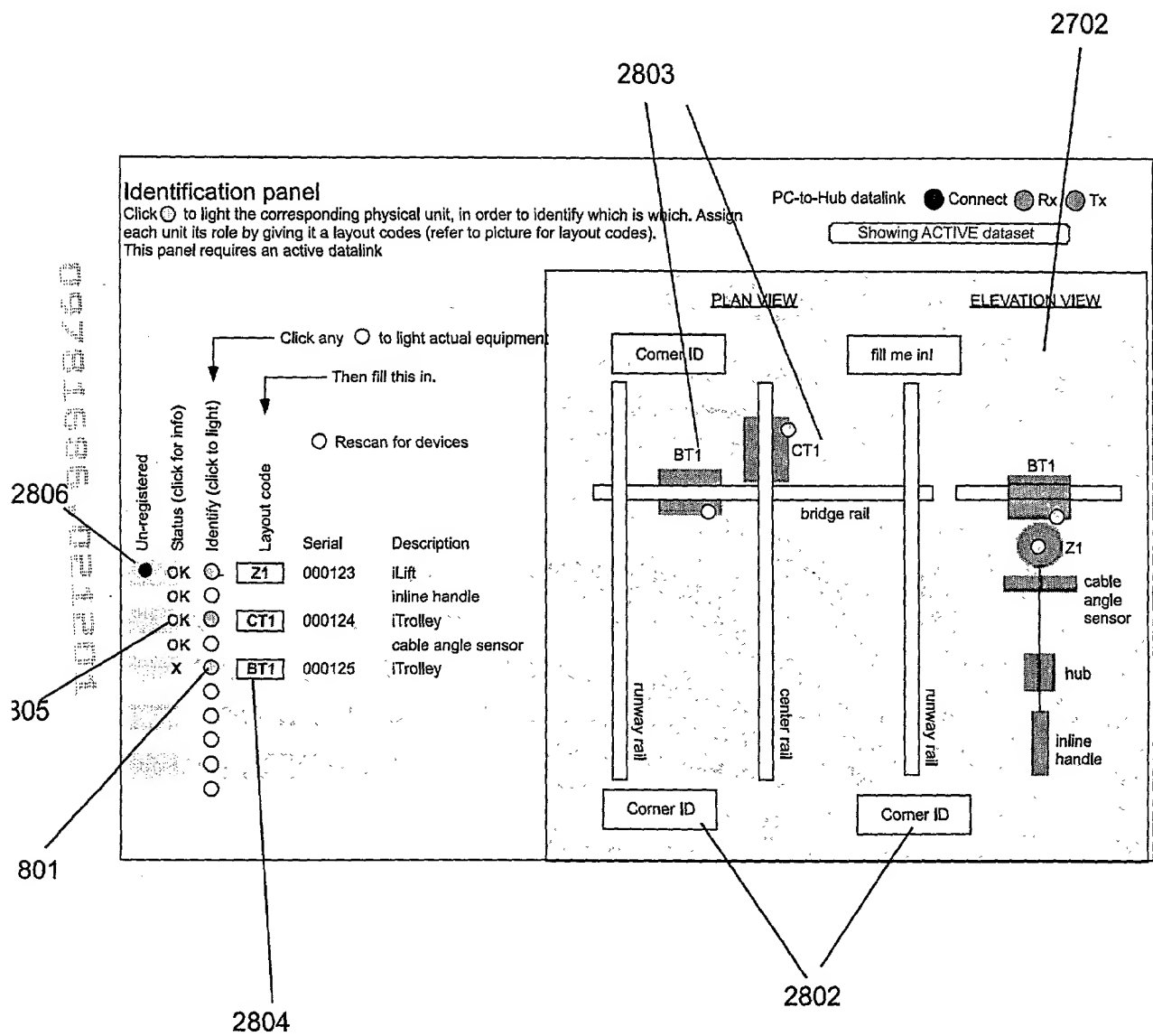


Figure 29

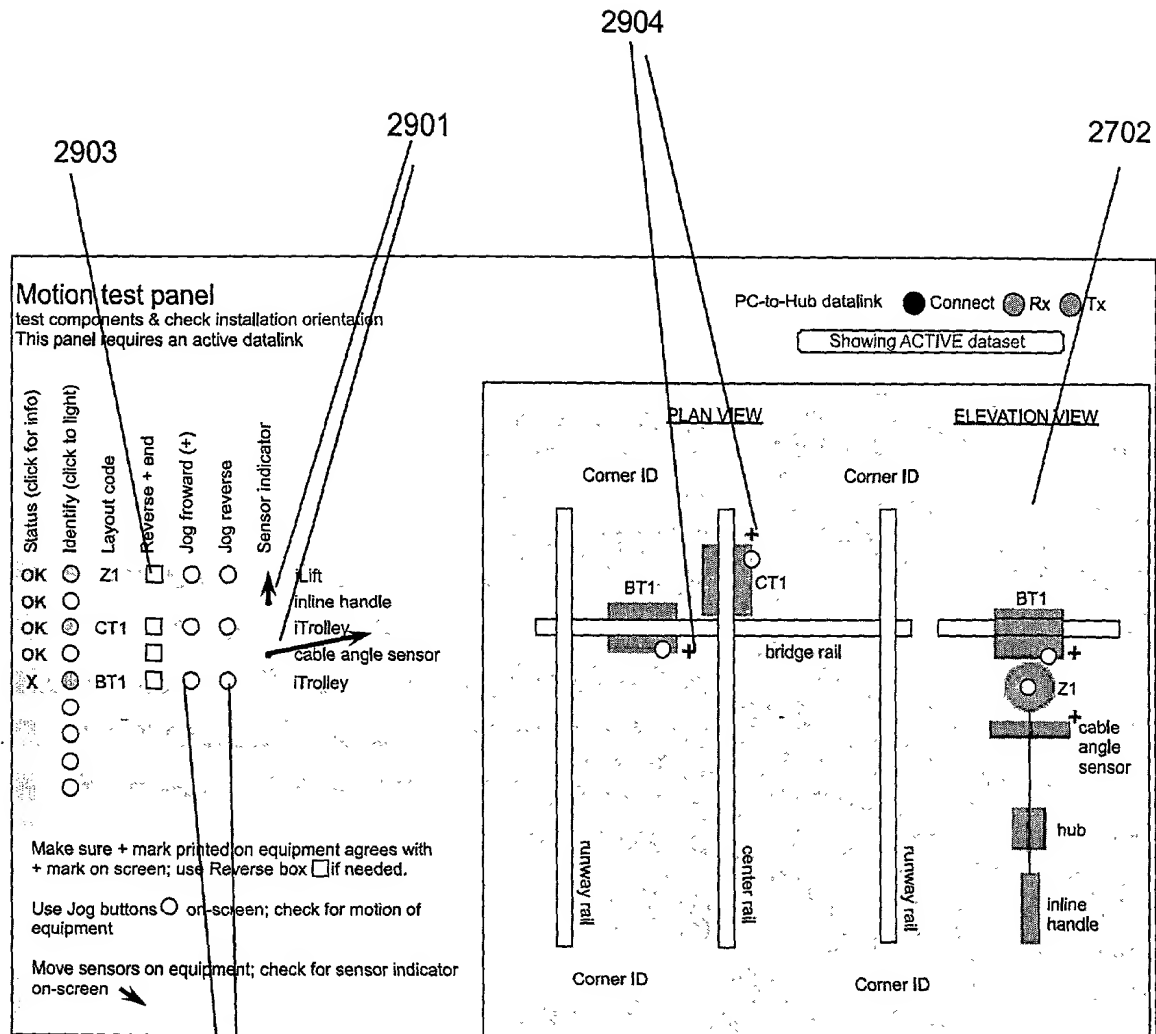


Figure 30

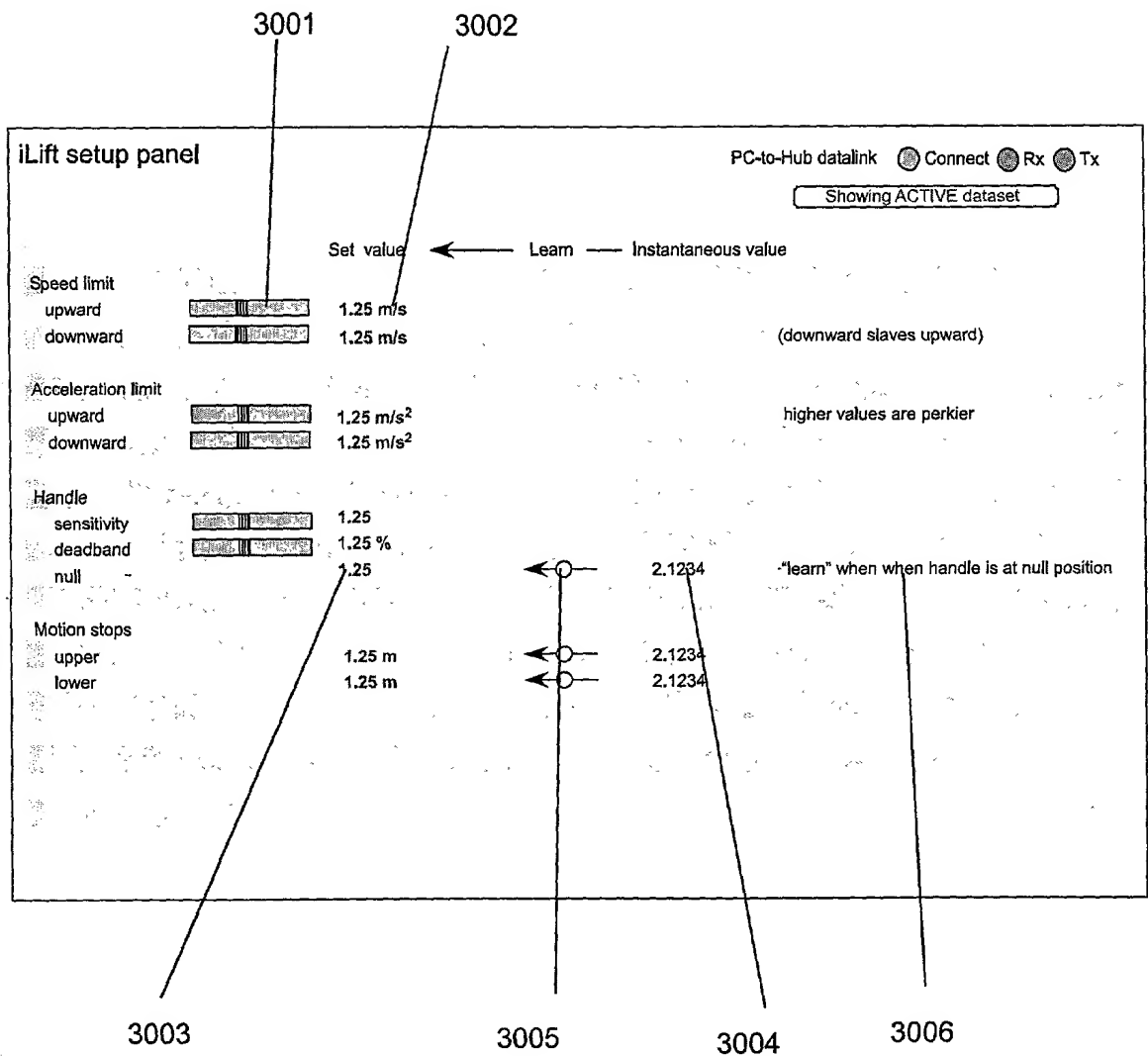


Figure 31

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Lateral motion setup panel

PC-to-Hub datalink ☐ Connect ☐ Rx ☐ Tx

Showing OFFLINE dataset

Set value ← Learn — Instant. value

Speed limit		1.25 m/s		
Acceleration limit		1.25 m/s ²		
Estimate of moving mass on bridge		1.25 kg	<input type="radio"/> Measure it by jogging bridge	
Estimate of moving mass on carriage		1.25 kg	<input type="radio"/> Measure it by jogging carriage	
Estimate of bridge length		1.25 m	<input type="radio"/> Measure it by skewing bridge	
Bridge skew null		1.25	<input type="radio"/> jog+ <input type="radio"/> jog-	jog it straight, then "learn"
Cable angle sensor				
sensitivity		1.25		
deadband		1.25 %		
null		1.25, 1.25, 5.00	<input type="radio"/>	2.1234 leave it vertical; then "learn"
Force bar				
sensitivity		1.25		
deadband		1.25 %		
null		1.25, 1.25, 5.00	<input type="radio"/>	2.1234 don't touch it; then "learn"
End of travel limit runway (-Y)		1.25	<input type="radio"/>	2.1234
End of travel limit runway (+Y)		1.25	<input type="radio"/>	2.1234
End of travel limit bridge (-X)		1.25	<input type="radio"/>	2.1234
End of travel limit bridge (+X)		1.25	<input type="radio"/>	2.1234

Figure 32

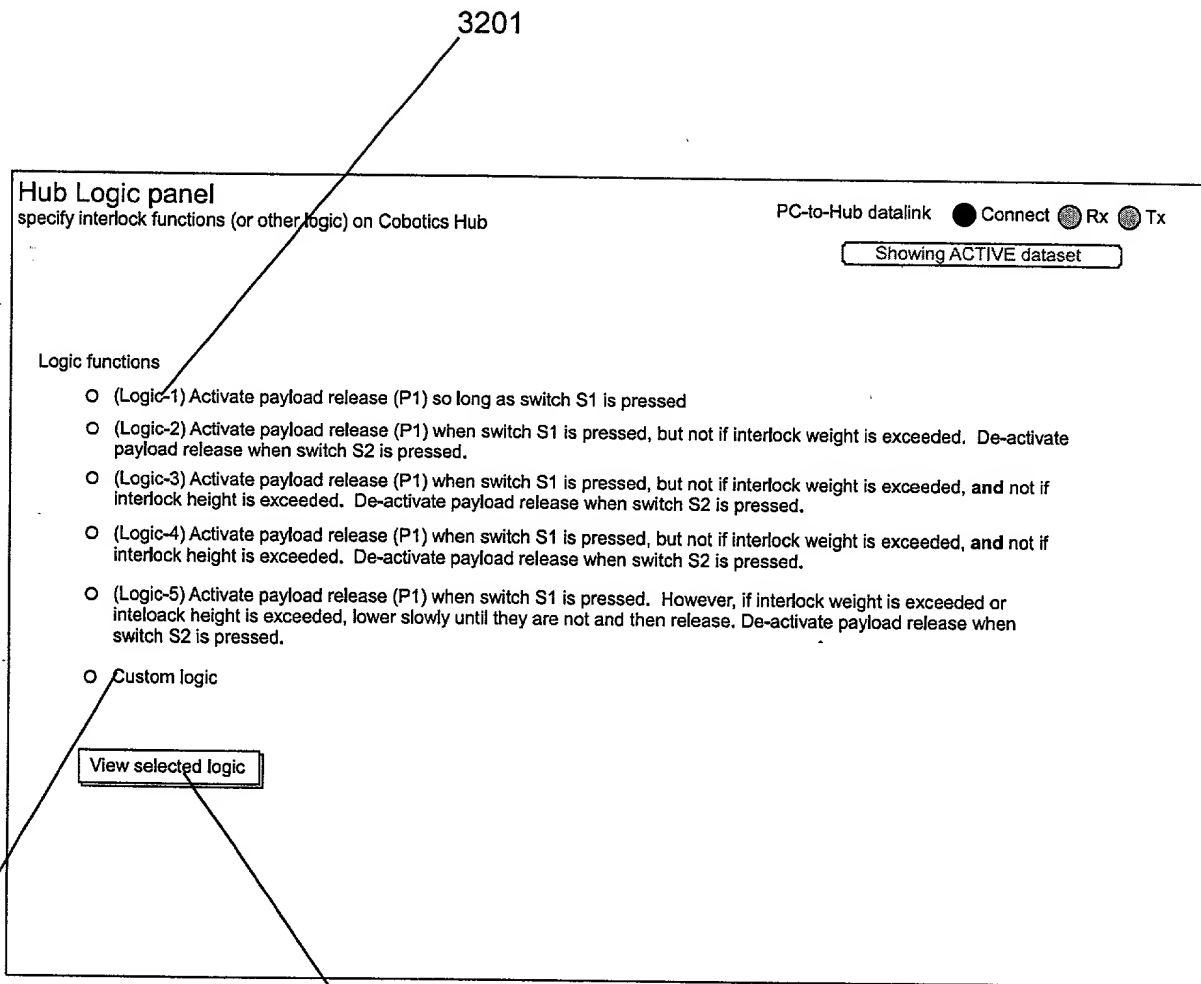


Figure 33

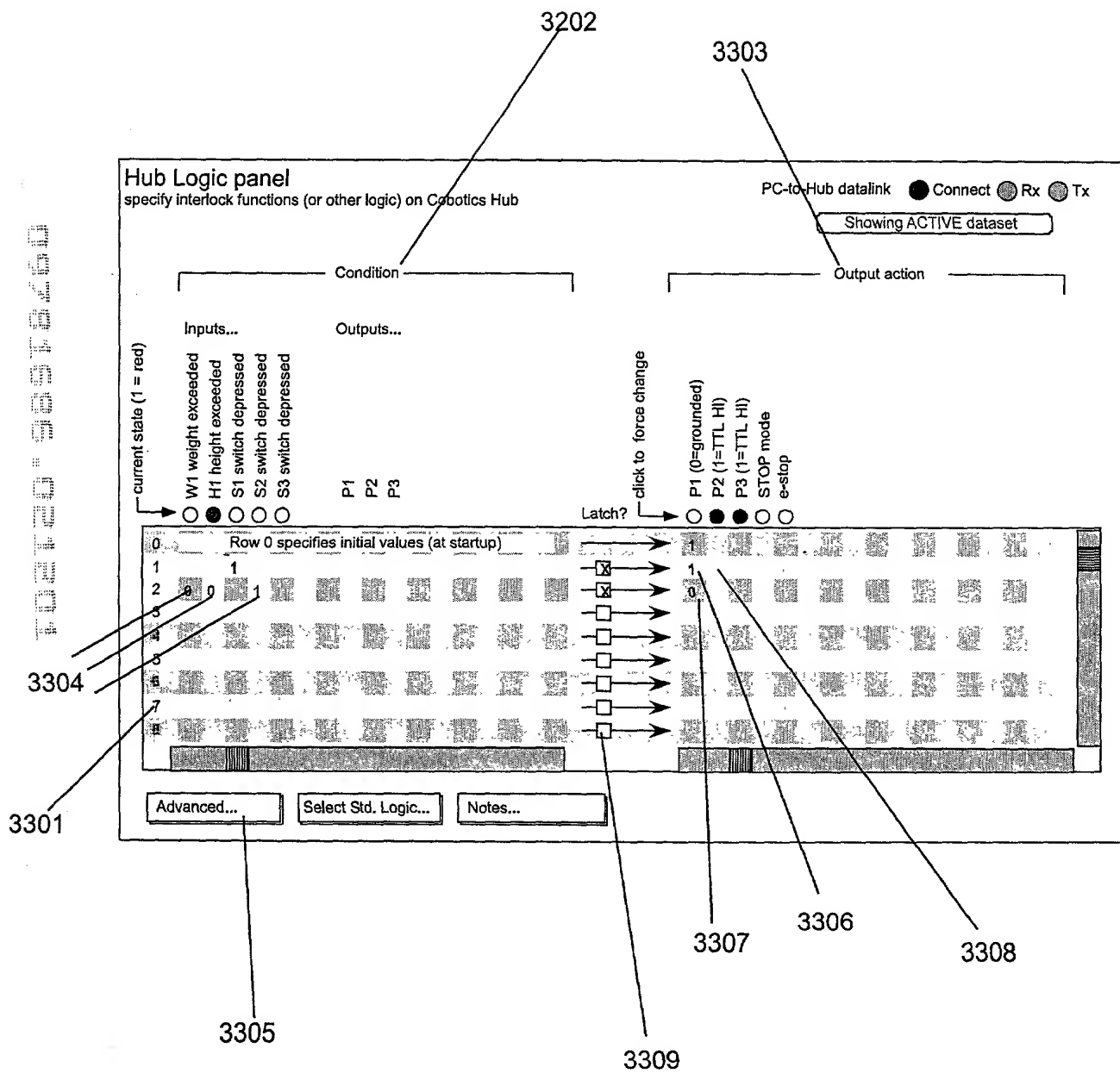


Figure 34

3402 3401

3403

Profiles setup panel

all selections are subject to overall limits, on iLift & iTrolley pages

PC-to-Hub datalink ☒ Connect ☐ Rx ☐ Tx

Showing ACTIVE dataset

Profile ID	MD	HI	SK
Owner name	Default medium profile	Default fast profile	Steve Klostermeyer
iLift speed limit	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
acceleration limit	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
sensitivity	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
deadband	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
iTrolley speed limit	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
acceleration limit	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
sensitivity	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
deadband	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max

Use default values ☐ LO ☐ MD ☐ HI Use default values ☐ LO ☐ MD ☐ HI Use default values ☐ LO ☐ MD ☐ HI

☐ Remove profile ☐ Add new profile ☐ Remove profile ☐ Add new profile ☐ Remove profile ☐ Add new profile

Instructions: Operators can select their individualized profile at the Hub. Move sliders to adjust feel. Slider values are relative to limits set on the iLift and iTrolley setup pages. You can set a profile to the LO, MD, or HI defaults by clicking a button.

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Figure 35

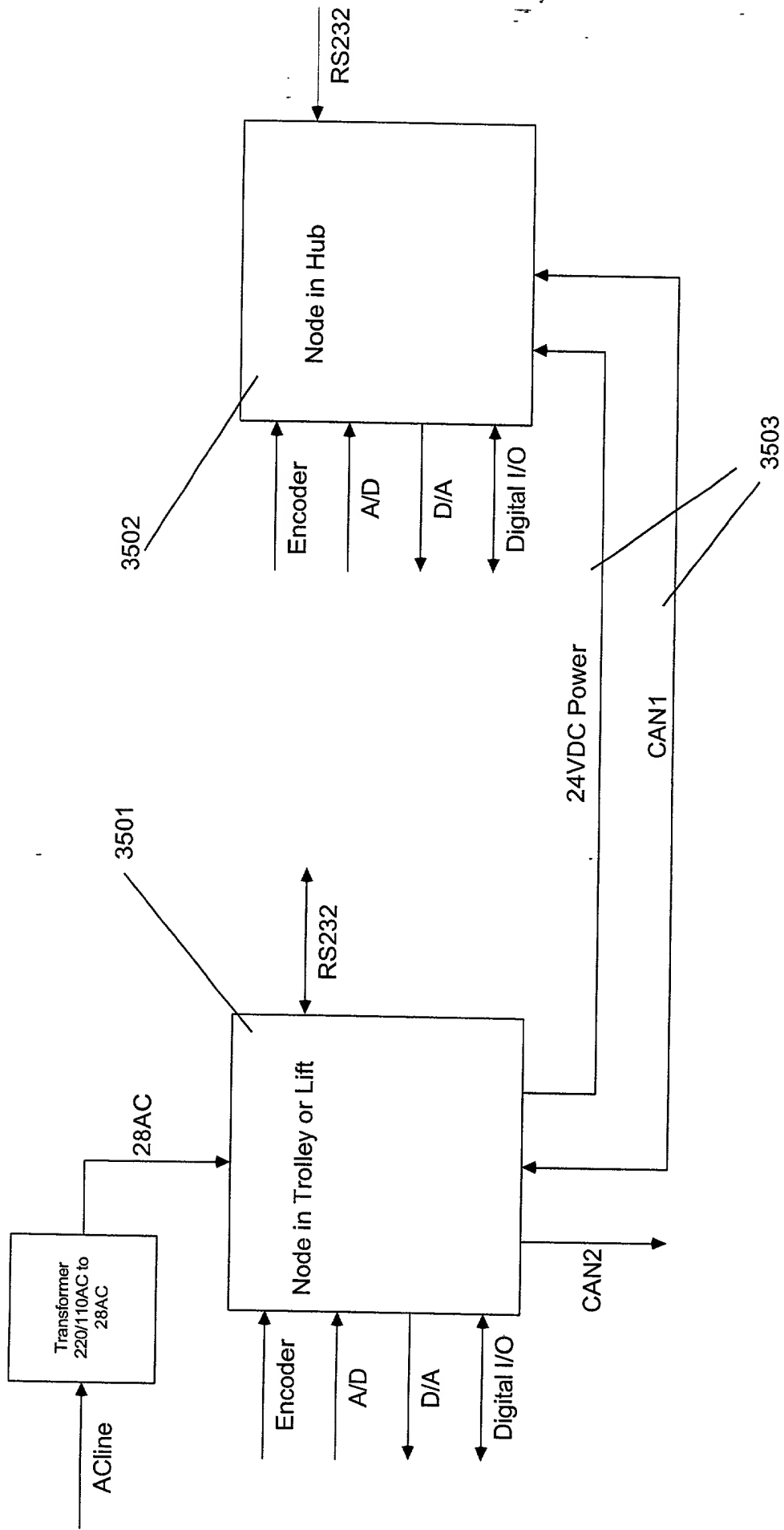


Figure 36

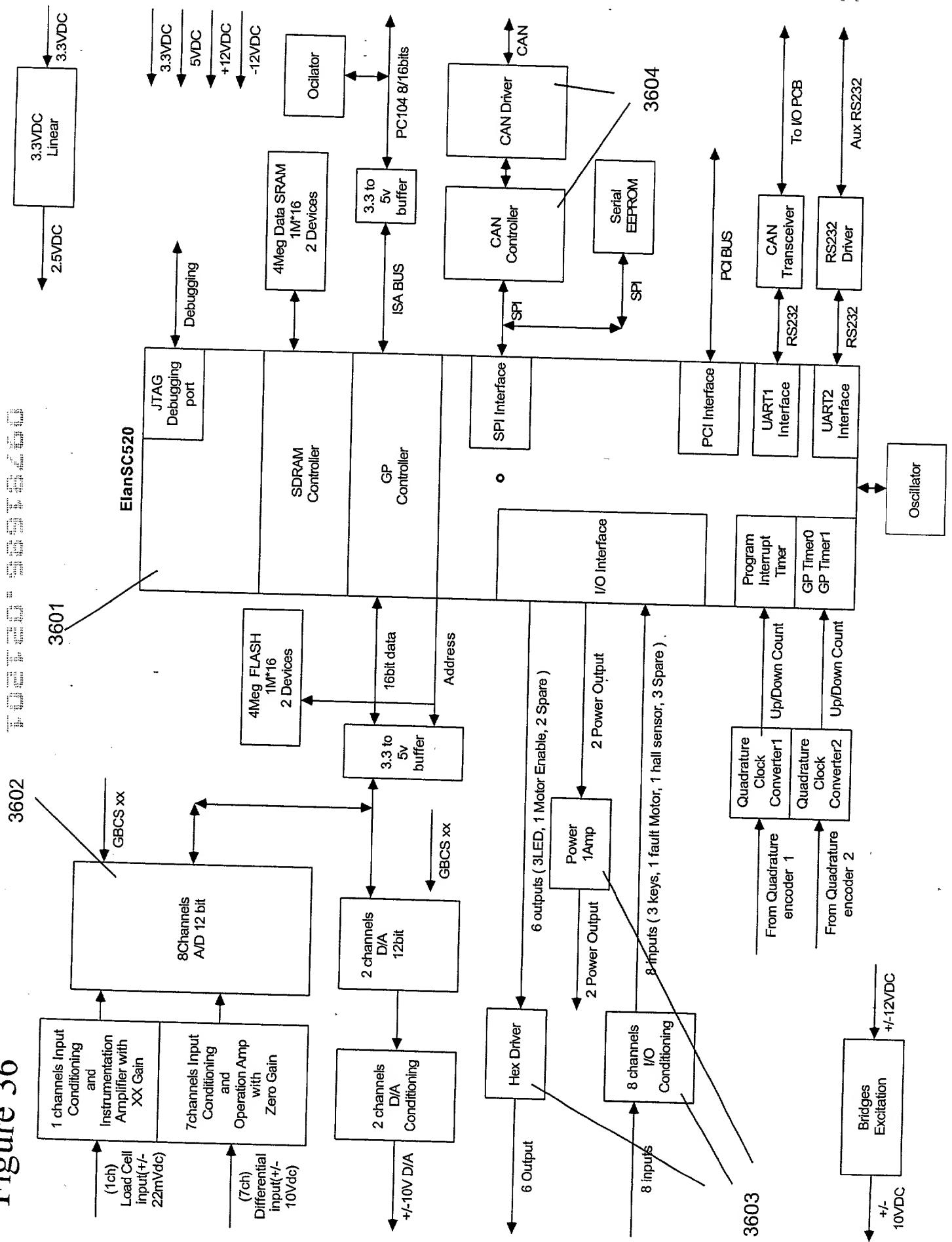


Figure 37

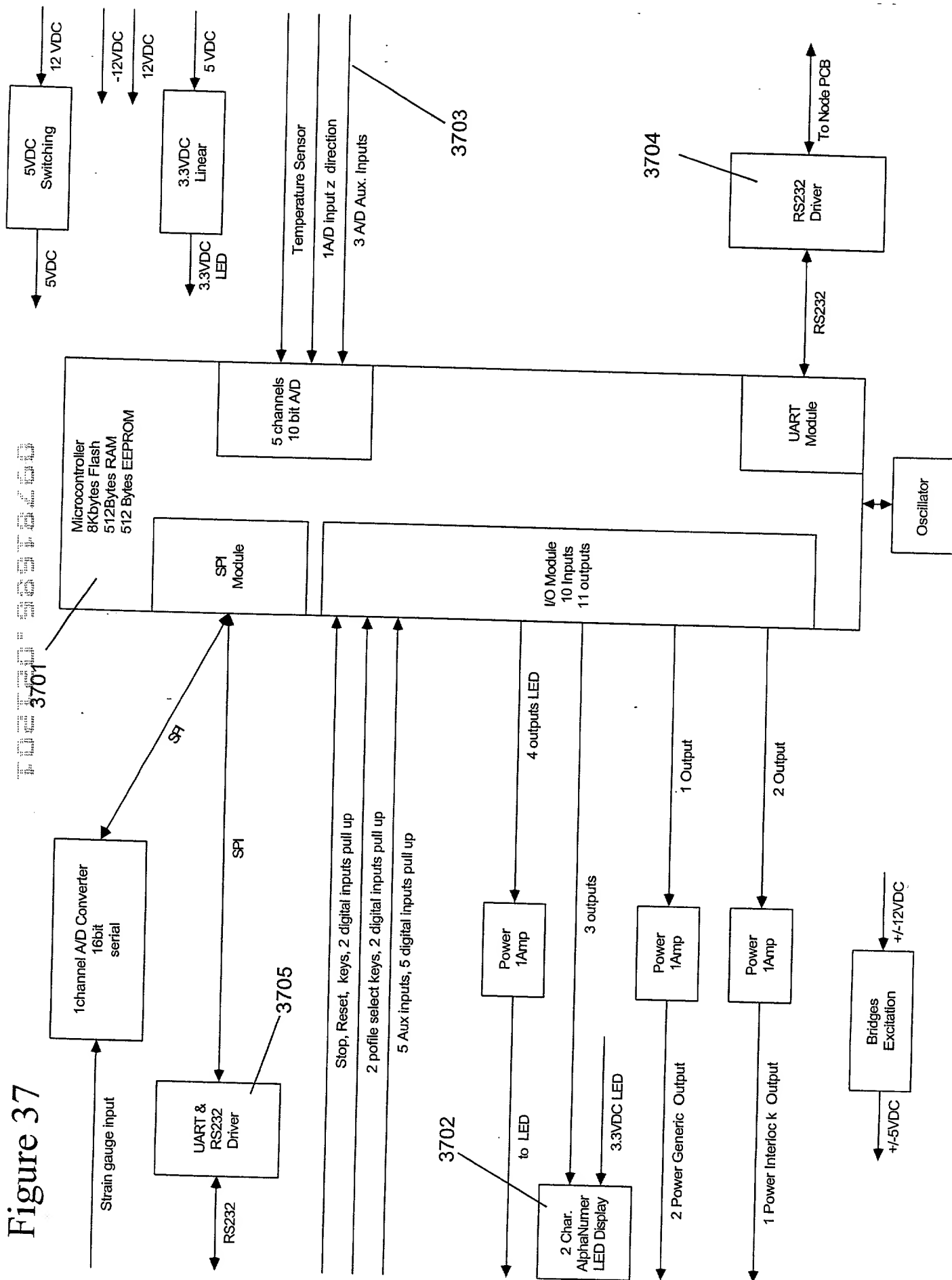


Figure 38

Field	Size (bytes)	Data Format	Description
SIZE	1	binary	Packet size.
DEVICE_ID	1	binary	Destination device ID.
CMD_TYPE	1	binary	Command type.
DATA	Variable	binary	Actual data associated with the CMD_TYPE field.
CHKSUM	1	binary	Checksum of the packet. This byte equals to the two's complement of the sum of the SIZE, DEVICE_ID, TYPE and DATA, omitting any carry.